2.3.9.2 ILEC shall offer for resale, at a minimum, the following COCOT Line Coin and COCOT Line Coinless features:

Originating line screening
Two-way service option
Flat rate service based on rate groups
Option of one-way service on the line
Option of measured service
Ability to keep existing serving telephone
  numbers if cutover to
MCIm resale line incoming/outgoing screening
Provision of Information Digit 29
Provision of International Toll Denial
Recognition Tone

2.3.9.3 ILEC shall offer for resale, at a minimum, the following COCOT Line Coin feature:

Blocking for 1+ international, 10XXXX1 +
international, 101XXXX1 + international,
1+900, N111, 976
Option to block all 1-700 and 1-500 calls
Line side supervision option

2.3.9.4 ILEC shall offer for resale, at a minimum, the following COCOT Line Coinless feature:

Blocking for 1 + international, 10XXXX1 +
international, 101XXXX1 +
International, 1+900, N11, 976, 7 digit local, 1
+000

2.3.9.5 ILEC shall offer for resale, at a minimum, the following SemiPublic Coin features:

Ability to keep existing serving telephone
  numbers if cutover to MCIm
Touch-tone Service
Option for listed, nonlisted, or non published
  numbers
Provision 911 service
Access to ANI information
Access to all CO intelligence

Ability to keep existing serving telephone numbers if cutover to MCIm required to perform answer supervision, collect and refund

Far end disconnect recognition

Call timing

PIC protection for all 1+ local, interLATA, and intraLATA traffic

Same call restrictions as available on ILEC phones for interLATA, international, intraLATA, and local calling

One bill per line

Detailed billing showing all 1+ traffic in paper or electronic format

Option to have enclosure installed with set

One directory per line installed

Install the station to at least ILEC standards

Option to block all 1+ international calls

Option of one-way or two-way service

Wire Maintenance option

Ability to block any 1+ service that cannot be rated by the coin circuits/ TSPS/OSPS

Use of MCIm rate tables for local and intraLATA service

Option to have ILEC techs collect, count, and deposit vault contents on behalf of MCIm

Monitor vault contents for slugs and spurious non US currency or theft and notify MCIm of discrepancies

Station or enclosure equipment should only bear the name/brand designated by MCIm on the order form

Protect against clip on fraud

Protect against red box fraud

Protect against blue box fraud

Provide option for use of "bright" station technology including debit cards

Provide revenue, maintenance, collection reports as specified by MCIm on order form on a periodic basis in paper or electronic format

Blocking of inbound international calls

Point of demarcation at the set location

Provide service restoration per MCIm's Performance Standards

Service outage transfers to MCIm help center

Special screen codes unique to MCIm and/or its subscribers

Single point of Contact for bills and orders
dedicated to Public
Access to MCIm Directory Assistance
Access to MCIm's Network Access Interrupt
Access to ANI Information
Provide all information requested to ensure
MCIm can bill for access line
Provide all information requested to ensure
MCIm can bill for usage on the line
All calls originating from stations serviced by
these lines should be routed to MCIm lines,
except where designated
Provide the same monitoring and diagnostic
routines on the line as ILEC would on its own
facilities
Provide installation intervals per MCIm
Performance Standards
Ordering per MCIm Performance Standards
Call Transfer per MCIm Performance Standards
Billing per MCIm Performance Standards
PIC per MCIm Performance Standards

2.3.10 Voice Mail Service

2.3.10.1 MCIm shall have the right to resell ILEC
Voice Mail services.

2.3.10.2 ILEC shall make available the SMDI-E
(Station Message Desk Interface-Enhanced) where
available, or SMDI, Station Message Desk Interface
where SMDI-E is not available, feature capability
allowing for Voice Mail Services. ILEC shall make
available the MWI (Message Waiting Indicator) stutter
dialtone and message waiting light feature
capabilities. ILEC shall make available CF-B/DA (Call
Forward on Busy/Don't Answer), CF/B (Call Forward
on Busy), and CF/DA (Call Forward Don't Answer)
feature capabilities allowing for Voice Mail services.

2.3.11 Hospitality Service

2.3.11.1 ILEC shall provide all blocking, screening,
and all other applicable functions available for
hospitality lines.

2.3.12 **Telephone Line Number Calling Cards.** Effective thirty (30) days after the date of an end-user's subscription to MCIm service or within 24 hours after MCIm has notified ILEC that it has replaced the subscriber's calling card, whichever is earlier, ILEC will terminate its existing telephone line number-based calling cards and remove any ILEC-assigned Telephone Line Calling Card Number (including area code) ("TLN") from the LIDB. MCIm may issue a new telephone calling card to such subscriber, utilizing the same TLN, and MCIm shall have the right to enter such TLN in LIDB for calling card validation purposes. ILEC will direct-bill each subscriber on the subscriber's final bill.

Section 3.   *Advanced Intelligent Network*

3.1 MCIm may purchase the entire set of Advanced Intelligent Network ("AIN") features or functions, or a subset of any one or any combination of such features or functions, on a subscriber-specific basis. The AIN services provided by ILEC to MCIm for resale shall meet the following requirements:

3.1.1 AIN, whether offered under tariff or otherwise, shall be available to MCIm for resale, without any geographic restrictions;

3.1.2 ILEC shall provide full functionality access to MCIm on behalf of MCIm subscribers, including the Service Control Point Database and Intelligent Functions;

3.1.3 All service levels, features and function components of AIN provided by ILEC shall meet the service parity requirements set forth in this Agreement; and

3.1.4 MCIm may purchase any and all levels of AIN service for resale, without restriction on the minimum or maximum number of lines or features that may be purchased for any one level of service.

Section 4.   *Service Functions*

4.1 ILEC shall provide MCIm with the information MCIm will need to certify subscribers as exempt from charges (including taxes), or eligible for reduced charges associated with providing services, including but not limited to handicapped individuals, and certain governmental bodies and public institutions and shall not bill MCIm for such services.

4.2 ILEC shall provide MCIm with appropriate notification of all area transfers with line level detail 120 days before service transfer, and will also notify MCIm within 120 days before such change of any LATA boundary changes.

4.3 ILEC will work cooperatively with MCIm in practices and procedures regarding the handling of law enforcement and service annoyance calls.

TABLE OF CONTENTS

Attachment III
NETWORK ELEMENTS

ATTACHMENT III

NETWORK ELEMENTS

Section 1. Introduction

ILEC shall provide unbundled Network Elements in accordance with this Agreement, FCC Rules and Regulations. The price for each Network Element is set forth in Attachment I of this Agreement. Except as otherwise set forth in this Attachment, MCIm may order Network Elements as of the Effective Date.

Section 2. Unbundled Network Elements

2.1 ILEC shall offer Network Elements to MCIm on an unbundled basis on rates, terms and conditions that are just, reasonable, and non-discriminatory in accordance with the terms and conditions of this Agreement.

2.2 ILEC shall permit MCIm to connect MCIm's facilities or facilities provided to MCIm by third parties with each of ILEC's unbundled Network Elements at any point designated by MCIm that is technically feasible.

2.3 MCIm may use one or more Network Elements to provide any feature, function, capability, or service option that such Network Element(s) is capable of providing or any feature, function, capability, or service option that is described in the technical references identified herein, or as may otherwise be determined by MCIm.

2.3.1 MCIm may, at its option, designate any technically feasible method of access to unbundled elements, including access methods currently or previously in use.

2.4 ILEC shall offer each Network Element individually and in combination with any other Network Element or Network Elements in order to permit MCIm to provide Telecommunications Services to its customers.

2.5 For each Network Element, ILEC shall provide a demarcation point (e.g., at a Digital Signal Cross Connect, Light Guide Cross Connect panel or a Main Distribution Frame) and, if necessary, access to such

provides combined Network Elements at MCIm's direction, no demarcation point shall exist between such contiguous Network Elements.

2.6 Charges in Attachment I are inclusive and no other charges apply, including but not limited to any other consideration for connecting any Network Element(s) with other Network Element(s).

2.7 This Attachment describes the initial set of Network Elements which MCIm and ILEC have identified as of the effective date of this agreement:

> Loop
> Network Interface Device
> Distribution
> Local Switching
> Operator Systems
> Common Transport
> Dedicated Transport
> Signaling Link Transport
> Signaling Transfer Points
> Service Control Points/Databases
> Tandem Switching
> 911
> Directory Assistance

MCIm and ILEC agree that the Network Elements identified in this Attachment are not all possible Network Elements.

MCIm may identify additional or revised Network Elements as necessary to provide telecommunications services to its subscribers, to improve network or service efficiencies or to accommodate changing technologies, customer demand, or other requirements.

MCIm will request such Network Elements in accordance with the bona Fide request process described in Section 24 of Part A. Additionally, if ILEC provides any Network Element that is not identified in this Agreement, to itself, to its own subscribers, to an ILEC affiliate or to any other entity, ILEC shall make available the same Network Element to MCIm on terms and conditions no less favorable to MCIm than those provided to itself or to any other party at TELRIC prices.

Section 3. Standards for Network Elements

3.1 Each Network Element shall be furnished at a service level equal to or better than the requirements set forth in the technical references referenced in the following, as well as any performance or other

3.1 Each Network Element shall be furnished at a service level equal to or better than the requirements set forth in the technical references referenced in the following, as well as any performance or other requirements, identified herein. In the event Bell Communications Research, Inc. ("Bellcore"), or industry standard (e.g., American National Standards Institute ("ANSI")) technical reference or a more recent version of such reference sets forth a different requirement, MCIm may elect, where technically feasible, that such standard shall apply.

3.2 If one or more of the requirements set forth in this Agreement are in conflict, MCIm shall elect which requirement shall apply.

3.3 Each Network Element provided by ILEC to MCIm shall be at least equal in the quality of design, performance, features, functions, capabilities and other characteristics, including but not limited to levels and types of redundant equipment and facilities for power, diversity and security, that ILEC provides to itself, ILEC's own customers, to a ILEC affiliate or to any other entity.

3.3.1 ILEC shall provide to MCIm, upon request, engineering, design, performance and other network data sufficient for MCIm to determine that the requirements of this Section 3 are being met. In the event that such data indicates that the requirements of this Section 3 are not being met, ILEC shall, within 10 days, cure any design, performance or other deficiency and provide new data sufficient for MCIm to determine that such deficiencies have been cured.

3.3.2 ILEC agrees to work cooperatively with MCIm to provide Network Elements that will meet MCIm's needs in providing services to its customers.

3.4 Unless otherwise requested by MCIm, each Network Element and the connections between Network Elements provided by ILEC to MCIm shall be made available to MCIm on a priority basis, at any technically feasible point, that is equal to or better than the priorities that ILEC provides to itself, ILEC's own customers, to an ILEC affiliate or to any other entity.

Section 4. Loop

4.1 Definition

4.1.1 A loop is a transmission facility between a distribution frame [cross-connect], or its equivalent, in an ILEC central office or wire center, and the network interface device at a customer's premises,

to which MCIm's granted exclusive use. This includes, but is not limited to two-wire and four-wire analog voice-grade loops, and two-wire and four-wire loops that are conditioned to transmit the digital signals needed to provide ISDN, ADSL, HDSL, and DS1-level signals. A loop may be composed of the following components:

Loop Concentrator / Multiplexer
Loop Feeder
Network Interface Device (NID)
Distribution

Loop Distribution is a Network Element that is composed of two distinct component parts: a Network Interface Device and Distribution facilities. Each component part is defined in detail below.

4.1.2 If ILEC uses Integrated Digital Loop Carrier (DLCs) systems to provide the local loop, ILEC will make alternate arrangements to permit MCIm to order a contiguous unbundled local loop at no additional cost to MCIm. These arrangements may, at ILEC's option, include the following: provide MCIm with copper facilities or universal DLC that are acceptable to MCIm, deploy Virtual Remote Terminals, allow MCIm to purchase the entire Integrated DLC, or convert integrated DLCs to non-integrated systems.

4.2. Technical Requirements

Subdivided to each component as detailed below.

4.3 Interface Requirements

Subdivided to each component as detailed below.

4.4 Loop Components

4.4.1 Loop Concentrator/Multiplexer

4.4.1.1 Definition:

4.4.1.1.1 The Loop Concentrator/Multiplexer is the Network Element that:

(1) aggregates lower bit rate or bandwidth signals to

higher bit rate or bandwidth signals (multiplexing); (2) disaggregates higher bit rate or bandwidth signals to lower bit rate or bandwidth signals (demultiplexing); (3) aggregates a specified number of signals or channels to fewer channels (concentrating); (4) performs signal conversion, including encoding of signals (e.g. analog to digital and digital to analog signal conversion); and (5) in some instances performs electrical to optical (E/O) conversion.

4.4.1.1.2 The Loop Concentrator/Multiplexer function may be provided through a Digital Loop Carrier (DLC) system, channel bank, multiplexer or other equipment at which traffic is encoded and decoded, multiplexed and demultiplexed, or concentrated.

4.4.1.2 Technical Requirements

4.4.1.2.1 The Loop Concentrator/Multiplexer shall be capable of performing its functions on the signals for the following services, including but not limited to, (as needed by MCIm to provide end-to-end service capability to its customer):

4.4.1.2.1.1 two-wire & four-wire analog voice grade loops;

4.4.1.2.1.2 two-wire & four-wire loops that are conditioned to transmit the digital signals needed to provide services such as ISDN, ADSL, HDSL, and DS1-level signals.

4.4.1.2.1.3 4-wire digital data (2.4Kbps through 64Kbps and n times 64Kbps (where n $\leq$ 24);

4.4.1.2.1.4 DS3 rate private lines;

4.4.1.2.1.5 Optical SONET rate private lines;

4.4.1.2.2 The Loop Concentrator/Multiplexer shall perform the following functions as appropriate:

4.4.1.2.2.1 Analog to digital signal conversion of both incoming and outgoing (upstream and downstream) analog signals;

4.4.1.2.2.2 Multiplexing of the individual digital signals up to higher transmission bit rate signals (e.g., DS0, DS1, DS3, or optical SONET rates) for transport to the ILEC central office through the Loop Feeder; and

4.4.1.2.2.3 Concentration of end-user customer signals onto fewer channels of a Loop Feeder (The concentration ratio shall be as specified by MCIm, who shall have the right to change).

4.4.1.2.3 ILEC shall provide power for the Loop Concentrator /Multiplexer, through a non-interruptible source if the function is performed in a central office, or from a commercial AC power source with battery backup if the equipment is located outside a central office. Such power shall also adhere to the requirements stated herein.

4.4.1.2.4 The Loop Concentrator/Multiplexer shall be provided to MCIm in accordance with the following Technical References:

4.4.1.2.4.1 Bellcore TR-NWT-000057, Functional Criteria for Digital Loop Carrier Systems, Issue 2, January 1993.

4.4.1.2.4.2 Bellcore TR-NWT-000393, Generic Requirements for ISDN Basic Access Digital Subscriber Lines.

4.4.1.2.4.3 ANSI T1.106 - 1988, American National Standard for Telecommunications - Digital Hierarchy - Optical Interface Specifications (Single Mode).

4.4.1.2.4.4 ANSI T1.105-1995, American National Standard for Telecommunications - Synchronous Optical Network (SONET) - Basic

Description including Multiplex Structure, Rates and Formats.

4.4.1.2.4.5 ANSI T1.102-1993, American National Standard for Telecommunications - Digital Hierarchy - Electrical Interfaces.

4.4.1.2.4.6 ANSI T1.403-1989, American National Standard for Telecommunications - Carrier to Customer Installation, DS1 Metallic Interface Specification.

4.4.1.2.4.7 Bellcore GR-253-CORE, Synchronous Optical Network Systems (SONET), Common Generic Criteria..

4.4.1.2.4.8 Bellcore TR-TSY-000008, Digital Interface Between the SLC 96 Digital Loop Carrier System and a Local Digital Switch, Issue 2, August 1987.

4.4.1.2.4.9 Bellcore TR-NWT-000303, Integrated Digital Loop Carrier System Generic Requirements, Objectives and Interface, Issue 2, December 1992; Rev. 1, December 1993; Supplement 1, December 1993.

4.4.1.2.4.10 Bellcore TR-TSY-000673, Operations Systems Interface for an IDLC System, (LSSGR) FSD 20-02-2100, Issue 1, September 1989.

4.4.1.2.4.11 Bellcore Integrated Digital Loop Carrier System Generic Requirements, Objectives and Interface, GR-303-CORE, Issue 1, September 1995.

4.4.1.3 Requirements for an Intelligent Loop Concentrator/ Multiplexer

4.4.1.3.1 In addition to the basic functions described above for the Loop Concentrator/Multiplexer, the Intelligent Loop Concentrator/Multiplexer (IC/M) shall provide facility grooming, facility test functions, format conversion and signaling conversion as appropriate.

4.4.1.3.2 The underlying equipment that provides such IC/M function shall continuously monitor protected circuit packs and redundant common equipment.

4.4.1.3.3 The underlying equipment that provides such IC/M function shall automatically switch to a protection circuit pack on detection of a failure or degradation of normal operation.

4.4.1.3.4 The underlying equipment that provides such IC/M function shall be equipped with a redundant power supply or a battery back-up.

4.4.1.3.5 At MCIm's option, ILEC shall provide MCIm with real time performance monitoring and alarm data on IC/M elements that may affect MCIm's traffic. This includes IC/M hardware alarm data and facility alarm data on the underlying device that provides such IC/M function.

4.4.1.3.6 At MCIm's option, ILEC shall provide MCIm with real time ability to initiate tests on the underlying device that provides such IC/M function integrated test equipment as well as other integrated functionality for routine testing and fault isolation.

4.4.1.4 Interface Requirements

4.4.1.4.1 The Loop Concentrator/Multiplexer shall meet the following interface requirements, as appropriate for the configuration that MCIm designates:

4.4.1.4.2 The Loop Concentrator/Multiplexer shall provide an analog voice frequency copper twisted pair interface at the serving wire center, as described in the references in Section 4.4.1.2.4.

4.4.1.4.3 The Loop Concentrator/Multiplexer shall provide digital 4-wire electrical interfaces at the serving wire center, as described in the references in Section 4.4.1.2.4.

4.4.1.4.4 The Loop Concentrator/Multiplexer shall provide optical SONET interfaces at rates of OC-3, OC-12, OC-48, and OC-N, N as described in the references in Section 4.4.1.2.4.

4.4.1.4.5 The Loop Concentrator/Multiplexer shall provide the Bellcore TR-303 DS1 level interface at the serving wire center. Loop Concentrator/ Multiplexer shall provide Bellcore TR-08 modes 1&2 DS1 interfaces when designated by MCIm. Such interface requirements are specified in the references in Section 4.4.1.2.4.

4.4.1.5 The Intelligent Loop Concentrator/Multiplexer shall be provided to MCIm in accordance with the Technical References set forth in Sections 4.4.1.2.4.8 through 4.4.1.2.4.11 above.

4.4.2 Loop Feeder

4.4.2.1 Definition:

4.4.2.1.1 The Loop Feeder is the Network Element that provides connectivity between (1) a Feeder Distribution Interface (FDI) associated with Loop Distribution and a termination point appropriate for the media in a central office, or (2) a Loop Concentrator/Multiplexer provided in a remote terminal and a termination point appropriate for the media in a central office. ILEC shall provide MCIm physical access to the FDI, and the right to connect, the Loop Feeder to the FDI.

4.4.2.1.2 The physical medium of the Loop Feeder may be copper twisted pair, or single or multi-mode fiber or other technologies as designated by MCIm. In certain cases, MCIm will require a copper twisted pair loop even in instances where the medium of the Loop Feeder for services that ILEC offers is other than a copper facility.

4.4.2.2 Requirements for Loop Feeder

4.4.2.2.1 The Loop Feeder shall be capable of transmitting analog voice frequency, basic rate ISDN, digital data, or analog radio frequency signals as appropriate.

4.4.2.2.2 ILEC shall provide appropriate power for all active elements in the Loop Feeder. ILEC will provide appropriate power from a central office source, or from a commercial AC source with rectifiers for AC to DC conversion and 8-hour battery back-up when the equipment is located in an outside plant Remote Terminal (RT).

4.4.2.3 Additional Requirements for Special Copper Loop Feeder Medium

In addition to requirements set forth in Section 6.2 (above), MCIm may require ILEC to provide copper twisted pair Loop Feeder which is unfettered by any intervening equipment (e.g. filters, load coils, and range extenders), so that MCIm can use these Loop Feeders for a variety of services by attaching appropriate terminal equipment at the ends.

4.4.2.4 Additional Technical Requirements for DS1 Conditioned Loop Feeder

In addition to the requirements set forth in Section 4.4.2.2 above, MCIm may designate that the Loop Feeder be conditioned to transport a DS1 signal. The requirements for such transport are defined in the references below in Section 4.4.2.6.

4.4.2.5 Additional Technical Requirements for Optical Loop Feeder

In addition to the requirements set forth in Section 4.4.2.2 above, MCIm may designate that Loop Feeder will transport DS3 and OCn (where n is defined in the technical reference in Section 4.4.1.2.4.4. The requirements for such transport are defined in the references below in Section 4.4.2.6.

4.4.2.6 ILEC shall offer Loop Feeder in accordance with the requirements set forth in the following Technical References:

4.4.2.6.1 Bellcore Technical Requirement TR-NWT-000499, Issue 5, December 1993, section 7 for DS1 interfaces; and,

4.4.2.6.2 Bellcore TR-NWT-000057, Functional Criteria for Digital Loop Carrier Systems, Issue 2, January 1993.

4.4.2.6.2 Bellcore TR-NWT-000393, Generic Requirements for ISDN Basic Access Digital Subscriber Lines.

4.4.2.6.3 ANSI T1.106-1988, American National Standard for Telecommunications - Digital Hierarchy - Optical Interface Specifications (Single Mode).

4.4.2.6.4 ANSI T1.105-1995, American National Standard for Telecommunications - Synchronous Optical Network (SONET) - Basic Description including Multiplex Structure, Rates and Formats.

4.4.2.6.5 ANSI T1.102-1993, American National Standard for Telecommunications - Digital Hierarchy - Electrical Interfaces.

4.4.2.6.6 ANSI T1.403-1989, American National Standard for Telecommunications - Carrier to Customer Installation, DS1 Metallic Interface Specification

4.4.2.6.7 Bellcore GR-253-CORE, Synchronous Optical Network Systems (SONET), Common Generic Criteria.

4.4.2.7 Interface Requirements

4.4.2.7.1 The Loop Feeder point of termination (POT) within a ILEC central office will be as follows:

4.4.2.7.1.1 Copper twisted pairs shall terminate on the MDF;

4.4.2.7.1.2 DS1 Loop Feeder shall terminate on a DSX1, DCS1/0 or DCS3/1; and

4.4.2.7.1.3 Fiber Optic cable shall terminate on a LGX.

4.4.2.7.2 Loop Feeder shall be equal to or better than each of the applicable interface requirements set forth in the following technical references:

4.4.2.7.2.1 Bellcore TR-TSY-000008, Digital Interface Between the SLC 96 Digital Loop Carrier System and a Local Digital Switch, Issue 2. August 1987.

4.4.2.7.2.2 Bellcore TR-NWT-000303, Integrated Digital Loop Carrier System Generic Requirements, Objectives and Interface, Issue 2, December 19921- Rev. 1, December 1993-1 Supplement 1, December 1993.

4.4.2.7.2.3 Bellcore Integrated Digital Loop Carrier System Generic Requirements, Objectives and Interface, GR-303-CORE, Issue 1, September-1995.

Section 5. Network Interface Device

5.1 Definition:

5.1.1 The Network Interface Device (NID) is a single-line termination device or that portion of a multiple-line termination device required to terminate a single line or circuit. The function of the NID is to establish the network demarcation point between a carrier and its subscriber. The NID features two independent chambers or divisions which separate the service provider's network from the customer's inside wiring. Each chamber or division contains the appropriate connection points or posts to which the service provider, and the subscriber each make their connections. The NID provides a protective ground connection, provides protection against lightning and other high voltage surges and is capable of terminating cables such as twisted pair cable.

5.1.2 With respect to multiple-line termination devices, MCIm shall specify the quantity of NIDs it requires within such device.

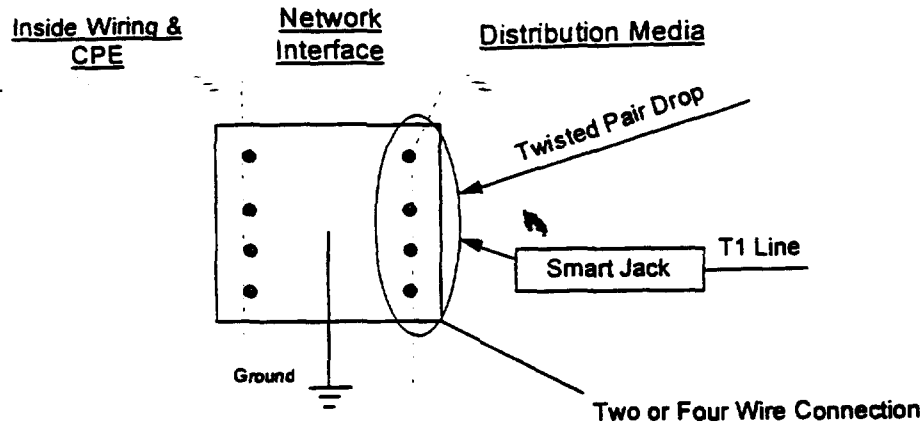5.1.3 Figure 1 shows a schematic of a NID.

Figure 1 - Network Interface Device

5.2 Technical Requirements

5.2.1 The Network Interface Device shall provide a clean, accessible point of connection for the inside wiring and for the Distribution Media and/or cross connect to MCIm's NID and shall maintain a connection to ground that meets the requirements set forth below.

5.2.2 The NID shall be capable of transferring electrical analog or digital signals between the customer's inside wiring and the Distribution Media and/or cross connect to MCIm's NID.

5.2.3 All NID posts or connecting points shall be in place, secure, usable and free of any rust or corrosion. The protective ground connection shall exist and be properly installed. The ground wire shall be free of rust or corrosion and have continuity relative to ground.

5.2.4 The NID shall be capable of withstanding all normal local environmental variations.

5.2.5 Where the NID is not located in a larger, secure cabinet or closet, the NID shall be protected from physical vandalism. The NID shall be physically accessible to MCIm designated personnel. In cases where entrance to the customer premises is required to

give access to the NID, MCIm shall obtain entrance permission directly from the customer.

5.2.6 ILEC shall offer the NID together with, and separately from the Distribution Media component of Loop Distribution.

5.3 Interface Requirements

5.3.1 The NID shall be the interface to customers' premises wiring for all loop technologies.

5.3.2 The NID shall be equal to or better than all of the industry standards for NIDs set forth in the following technical references:

5.3.2.1 Bellcore Technical Advisory TA-TSY-000120 "Customer Premises or Network Ground Wire";

5.3.2.2 Bellcore Generic Requirement GR-49-CORE "Generic Requirements for Outdoor Telephone Network Interface Devices";

5.3.2.3 Bellcore Technical Requirement TR-NWT-00239 "Indoor Telephone Network Interfaces";

5.3.2.4 Bellcore Technical Requirement TR-NWT-000937 "Generic Requirements for Outdoor and Indoor Building Entrance"; and,

5.3.2.5 Bellcore Technical Requirement TR-NWT-0001 33 "Generic Requirements for Network Inside Wiring."

Section 6. Distribution

6.1 Definition:

6.1.1 Distribution provides connectivity between the NID component of Loop Distribution and the terminal block on the customer-side of a Feeder Distribution Interface (FDI). The FDI is a device that terminates the Distribution Media and the Loop Feeder, and cross-connects them in order to provide a continuous transmission path between the NID and a telephone company central office. There are three basic types of feeder-distribution connection: I) multiple (splicing of multiple distribution pairs onto one feeder pair); II) dedicated ("home run"); and iii) interfaced ("cross-connected"). While older plant uses multiple and dedicated

approaches, newer plant and all plant that uses DLC or other pair-gain technology necessarily uses the interfaced approach. The feeder-distribution interface (FDI) in the interfaced design makes use of a manual cross-connection, typically housed inside an outside plant device ("green box") or in a vault or manhole.

6.1.2 The Distribution may be copper twisted pair, coax cable, single or multi-mode fiber optic cable or other technologies. A combination that includes two or more of these media is also possible. In certain cases, MCIm shall require a copper twisted pair Distribution even in instances where the Distribution for services that ILEC offers is other than a copper facility.

6.2 Requirements for All Distribution

6.2.1 Distribution shall be capable of transmitting signals for the following services (as requested by MCIm):

6.2.1.1 Two-wire & four-wire analog voice grade loops;

6.2.1.2 Two-wire & four-wire loops that are conditioned to transmit the digital signals needed to provide services such as ISDN, ADSL, HDSL, and DS1-level signals.

6.2.2 Distribution shall transmit all signaling messages or tones. Where the Distribution includes any active elements that terminate any of the signaling messages or tones, these messages or tones shall be reproduced by the Distribution at the interfaces to an adjacent Network Element in a format that maintains the integrity of the signaling messages or tones.

6.2.3 Distribution shall support functions associated with provisioning, maintenance and testing of the Distribution itself, as well as provide necessary access to provisioning, maintenance and testing functions for Network Elements to which it is associated.

6.2.4 Where possible, Distribution shall provide performance monitoring of the Distribution itself, as well as provide necessary access for performance monitoring for Network Elements to which it is associated.

6.2.5 Distribution shall be equal to or better than all of the applicable requirements set forth in the following technical references:

6.2.5.1 Bellcore TR-TSY-000057, "Functional Criteria for Digital Loop Carrier Systems", and,

6.2.5.2 Bellcore TR-NWT-000393, "Generic Requirements for ISDN Basic Access Digital Subscriber Lines."

6.2.6 ILEC shall provide MCIm with physical access to, and the right to connect to, the FDI.

6.2.7 ILEC shall offer Distribution together with, and separately from the NID component of Loop Distribution.

6.3 Additional Requirements for Special Copper Distribution

In addition to Distribution that supports the requirements in Section 6.2. (above), MCIm may designate Distribution to be copper twisted pair which are unfettered by any intervening equipment (e.g., filters, load coils, range extenders) so that MCIm can use these loops for a variety of services by attaching appropriate terminal equipment at the ends.

6.4 Additional Requirements for Fiber Distribution

Fiber optic cable Distribution shall be capable of transmitting signals for the following services in addition to the ones under Section 6.2.1 above:

6.4.1 DS3 rate private line service;

6.4.2 Optical SONET OCn rate private lines (where n is defined in the technical reference in Section 4.4.1.2.4.4; and

6.4.3 Analog Radio Frequency based services (e.g., Cable Television (CATV)).

6.5 Additional Requirements for Coaxial Cable Distribution

Coaxial cable (coax) Distribution shall be capable of transmitting signals for the following services in addition to the ones under Section 6.2.1 above:

6.5.1 Broadband data, either one way or bi-directional, symmetric or asymmetric, at rates between 1.5 Mb/s and 45 Mb/s; and

6.5.2 Analog Radio Frequency based services (e.g., CATV).

6.6 Interface Requirements

6.6.1 Signal transfers between the Distribution and the NID and an adjacent Network Element shall have levels of degradation that are within the performance requirements set forth in Section 15.2 of this Attachment III.

6.6.2 Distribution shall be equal to or better than each of the applicable interface requirements set forth in the following technical references:

6.6.2.1 Bellcore TR-NWT-000049, "Generic Requirements for Outdoor Telephone Network Interface Devices," Issued December 1,1994;

6.6.2.2 Bellcore TR-NWT-000057, "Functional Criteria for Digital Loop Carrier Systems," Issued January 2, 1993;

6.6.2.3 Bellcore TR-NWT-000393, "Generic Requirements for ISDN Basic Access Digital Subscriber Lines";

6.6.2.4 Bellcore TR-NWT-000253, SONET Transport Systems: Common Criteria (A module of TSGR, FR-NWT-000440), Issue 2, December 1991;

Section 7. Local Switching

7.1 Definition:

7.1.1 Local Switching is the Network Element that provides the functionality required to connect the appropriate lines or trunks wired to the Main Distributing Frame (MDF) or Digital Cross Connect (DSX) panel to a desired line or trunk. The desired connection path for each call type will vary by customer and will be specified by MCIm as a routing scenario that will be implemented in advance as part of or after the purchases of the unbundled local switching. Such functionality shall include all of the features, functions, and capabilities that the underlying ILEC switch that is providing such Local Switching function is capable of providing, including but not limited to: line signaling and signaling software, digit reception, dialed number translations, call screening, routing, recording, call supervision, dial tone, switching, telephone number provisioning, announcements, calling features and capabilities (including call processing), Centrex, or Centrex like services,

Automatic Call Distributor (ACD), Carrier pre-subscription (e.g., long distance carrier, intraLATA toll), Carrier Identification Code (CIC) portability capabilities, testing and other operational features inherent to the switch and switch software. It also provides access to transport, signaling (ISDN User Part (ISUP) and Transaction Capabilities Application Part (TCAP), and platforms such as adjuncts, Public Safety Systems (911), operator services, directory services and Advanced Intelligent Network (AIN). Remote Switching Module functionality is included in the Local Switching function. Local Switching shall also be capable of routing local, intraLATA, interLATA, calls to international customer's preferred carrier, call features (e.g., call forwarding) and Centrex capabilities.

Local Switching, including the ability to route to MCIm's transport facilities, dedicated facilities and systems, shall be unbundled from all other unbundled Network Elements, i.e., Operator Systems, Common Transport, and Dedicated Transport.

7.2. Technical Requirements

7.2.1 Local Switching shall be equal to or better than the requirements for Local Switching set forth in Bellcore's Local Switching Systems General Requirements (FR-NWT-000064).

7.2.1.1 ILEC shall route calls to the appropriate trunk or lines for call origination or termination.

7.2.1.2 ILEC shall route calls on a per line or per screening class basis to (1) ILEC platforms providing Network Elements or additional requirements, (2) MCIm designated platforms, or (3) third-party platforms.

7.2.1.3 ILEC shall provide recorded announcements as designated by MCIm and call progress tones to alert callers of call progress and disposition.

7.2.1.4 ILEC shall change a customer from ILEC's services to MCIm's services without loss of feature functionality.

7.2.1.5 ILEC shall perform routine testing (e.g., Mechanized Loop Tests (MLT) and test calls such as 105, 107 and 108 type calls) and fault isolation on a schedule designated by MCIm.

7.2.1.6 ILEC shall repair and restore any equipment or any other maintainable component that may adversely impact MClm's use of unbundled Local Switching.

7.2.1.7 ILEC shall control congestion points such as mass calling events, and network routing abnormalities, using capabilities such as Automatic Call Gapping, Automatic Congestion Control, and Network Routing Overflow. Application of such control shall be competitively neutral and not favor any user of unbundled switching or the ILEC.

7.2.1.8 ILEC shall perform manual call trace as designated by MClm and permit customer originated call trace.

7.2.1.9 ILEC shall record all billable events and send the appropriate billing data to MClm as outlined in Attachment 8.

7.2.1.10 For Local Switching used as 911 Tandems, ILEC shall allow interconnection from MClm local switching elements and ILEC shall route the calls to the appropriate Public Safety Access Point (PSAP).

7.2.1.11 Where ILEC provides the following special services, it shall provide to MClm:

> 7.2.1.11.1 Essential Service Lines;

> 7.2.1.11.2 Telephone Service Prioritization;

> 7.2.1.11.3 Related services for handicapped;

> 7.2.1.11.4 Soft dial tone where required by law; and

> 7.2.1.11.5 Any other service required by law or regulation.

7.2.1.12 ILEC shall provide Switching Service Point (SSP) capabilities and signaling software to interconnect the signaling links destined to the Signaling Transfer Point Switch (STPs). In the event that Local Switching is provided out of a switch without SS7 capability, the Tandem shall provide this capability as discussed in the section on